

4

History-Social
Science Standard
4.2.1.



California Indian Peoples and Management of Natural Resources

California Education and the Environment Initiative

Approved by the California State Board of Education, 2010

The Education and the Environment Curriculum is a cooperative endeavor of the following entities:

California Environmental Protection Agency
California Natural Resources Agency
Office of the Secretary of Education
California State Board of Education
California Department of Education
California Integrated Waste Management Board

Key Leadership for the Education and Environment Initiative:

Linda Adams, Secretary, California Environmental Protection Agency
Patty Zwarts, Deputy Secretary for Policy and Legislation, California Environmental Protection Agency
Andrea Lewis, Assistant Secretary for Education and Quality Programs, California Environmental Protection Agency
Mark Leary, Executive Director, California Integrated Waste Management Board
Mindy Fox, Director, Office of Education and the Environment, California Integrated Waste Management Board

Key Partners:

Special thanks to **Heal the Bay**, sponsor of the EEI law, for their partnership and participation in reviewing portions of the EEI curriculum.

Valuable assistance with maps, photos, videos and design was provided by the **National Geographic Society** under a contract with the State of California.

Office of Education and the Environment

1001 I Street • Sacramento, California 95812 • (916) 341-6769
<http://www.calepa.ca.gov/Education/EEI/>

© Copyright 2010 by the State of California
All rights reserved.

This publication, or parts thereof, may not be used or reproduced without permission from the
Office of Education and the Environment.

These materials may be reproduced by teachers for educational purposes.



Lesson 1 Tied Through Trade

- 1 Clamshell Beads from California 2
- 2 *Olivella* Shell Beads from California 3
- 3 *Dentalia* Shell Beads from California 4

Lesson 2 Comparing Aspects of California's Tribal Regions

- 4 Four California Indian Homes 5

Lesson 3 On It One Makes a Basket

- 5 Four California Indian Baskets 6

Lesson 4 California Indians' Worldview

None required for this lesson.

Lesson 5 Managing the Pre-California Landscape

- 6 Willow Tree 7
- 7 Changing How Willow Grows 1 8
- 8 Changing How Willow Grows 2 9

Lesson 6 A Burning Question—California Indians' Use of Fire

- 9 Lodgepole Pine 10
- 10 Purple Needlegrass 11

VA #1 Clamshell Beads from California

Clamshell



Clamshell beads



VA #2 Olivella Shell Beads from California***Olivella******Olivella* beads**

VA #3 *Dentalia* Shell Beads from California***Dentalia******Dentalia* beads**

VA #4 Four California Indian Homes



VA #5 Four California Indian Baskets

VA #6 Willow Tree



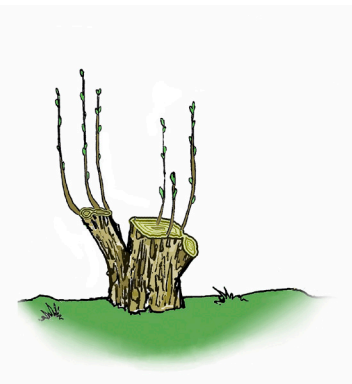
VA #7 Changing How Willow Grows 1



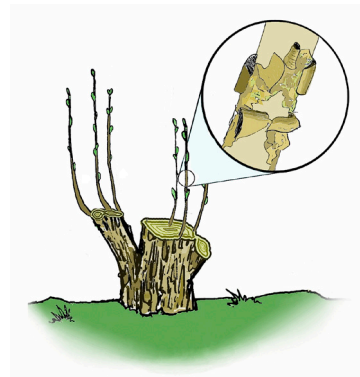
This is a willow tree. It has many small, weak branches. Some branches have diseases or insects.



The willow tree drops its leaves in the winter. California Indians cut the tree down to the roots at this time. This is called coppicing (kop-is-sing).

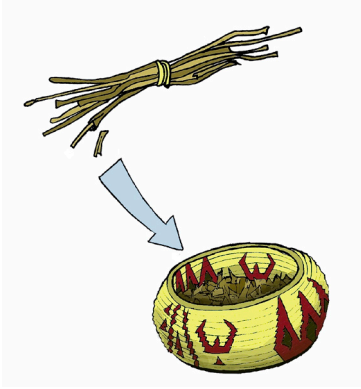


The willow tree grows new branches in the spring and summer. The branches grow long and straight.

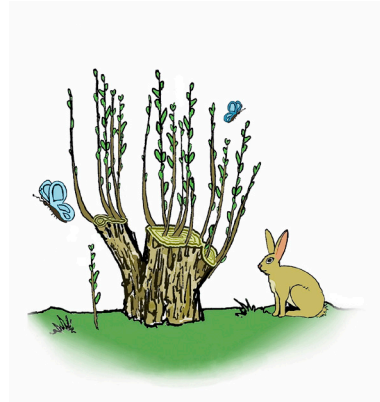


In the warm weather, sap begins to flow under the bark on the new branches. This makes some of the bark start to peel off the tree.

VA #8 Changing How Willow Grows 2



California Indians harvest the new willow branches when the bark can be peeled off easily. The new branches are so flexible, they can be tied in a knot!



The willow tree is cut again. The tree will grow new branches like this every year it is cut. This tree will live longer than trees that are not cut.

VA #9 Lodgepole Pine



VA #10 Purple Needlegrass





California STATE BOARD OF
EDUCATION

California Education and the Environment Initiative